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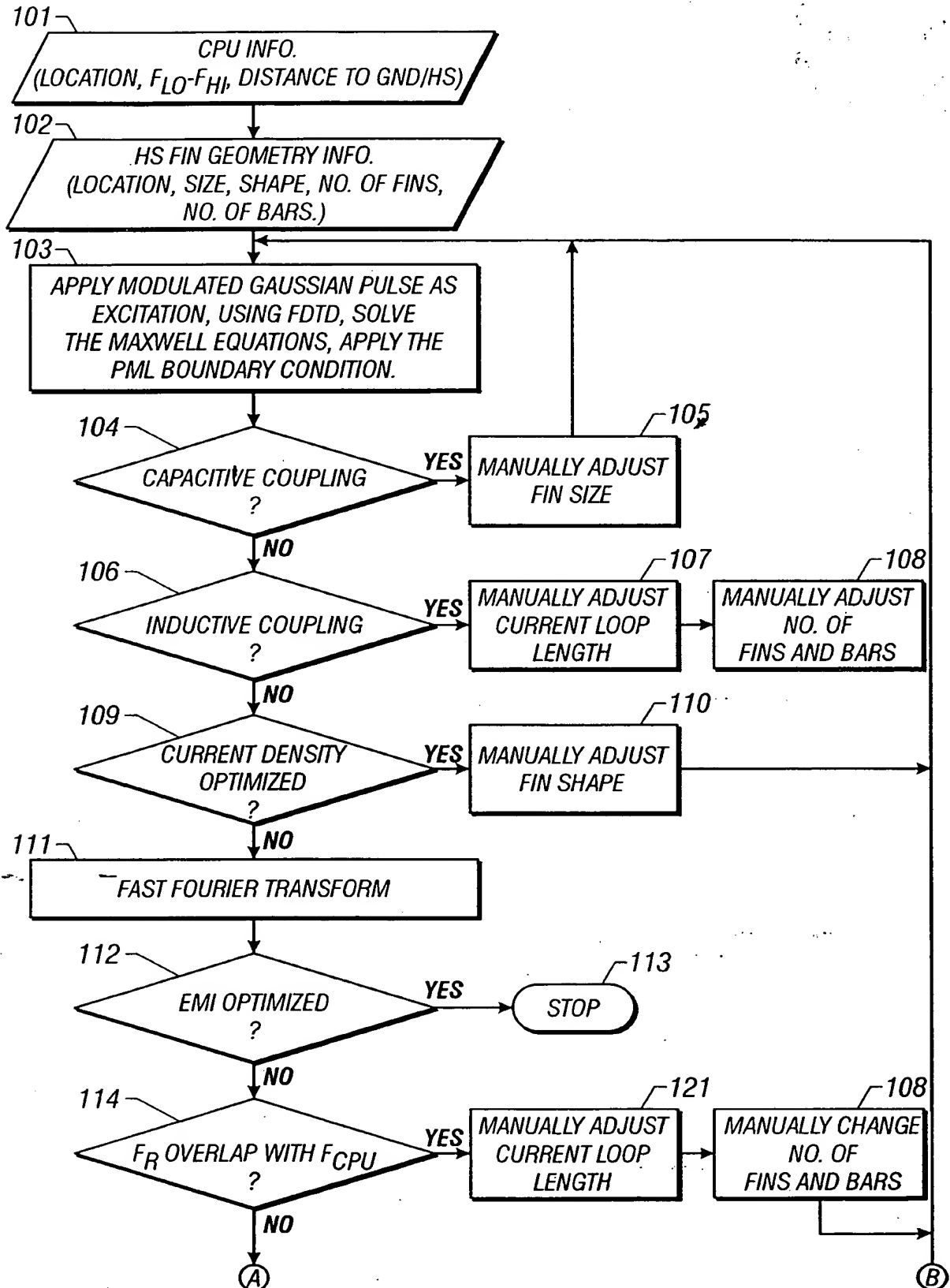
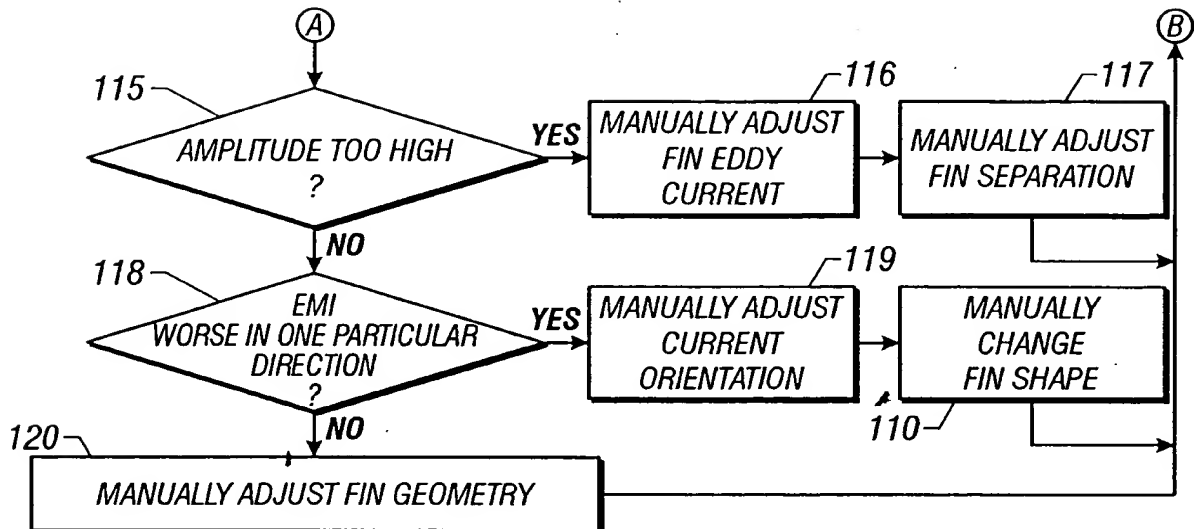


FIG. 1A-1

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HS = HEATSINK
 $F_{LO}-F_{HI}$ = FREQUENCY WINDOW RANGE
 F_r = RESONANCE FREQUENCY OF THE HEATSINK
PML = PERFECT MATCHED LAYER
FDTD = FINITE DIFFERENCE IN TIME DOMAIN
GND = GROUND
FFT = FAST FOURIER TRANSFORM

FIG. 1A-2

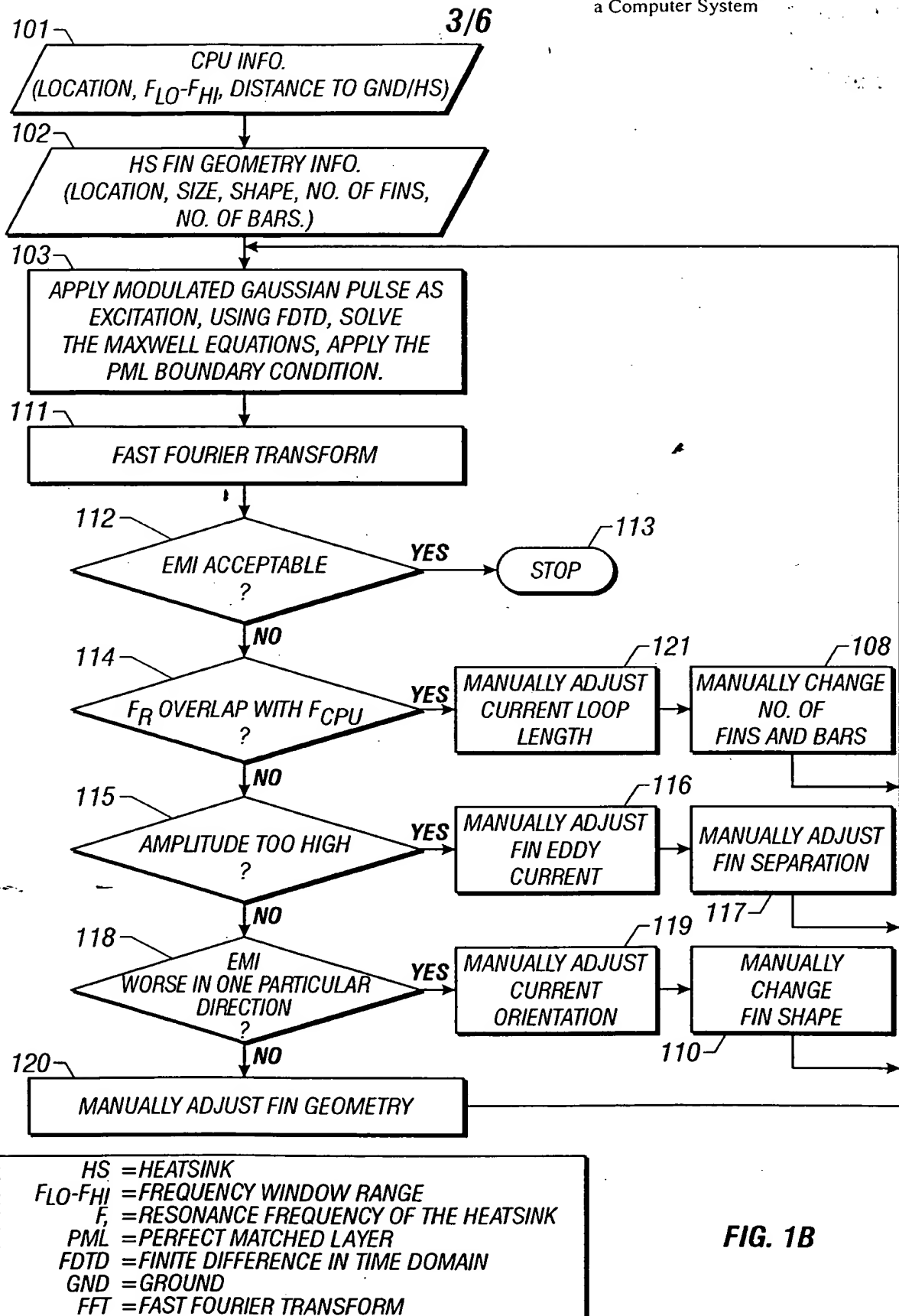
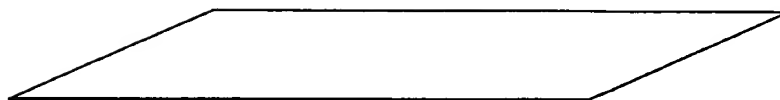


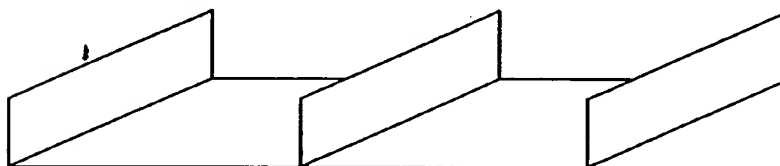
FIG. 1B

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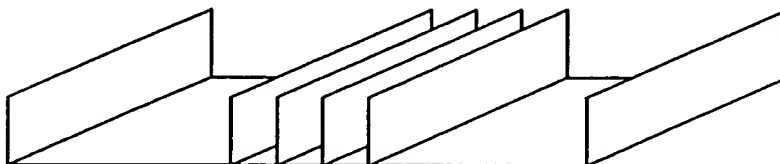
NO FIN, NO TOP

Case A



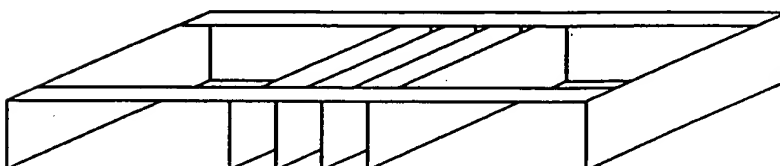
3 FINS, NO TOP

Case B



25 FINS, NO TOP

Case C



25 FINS, 2 TOP BARS

Case D

FIG. 2

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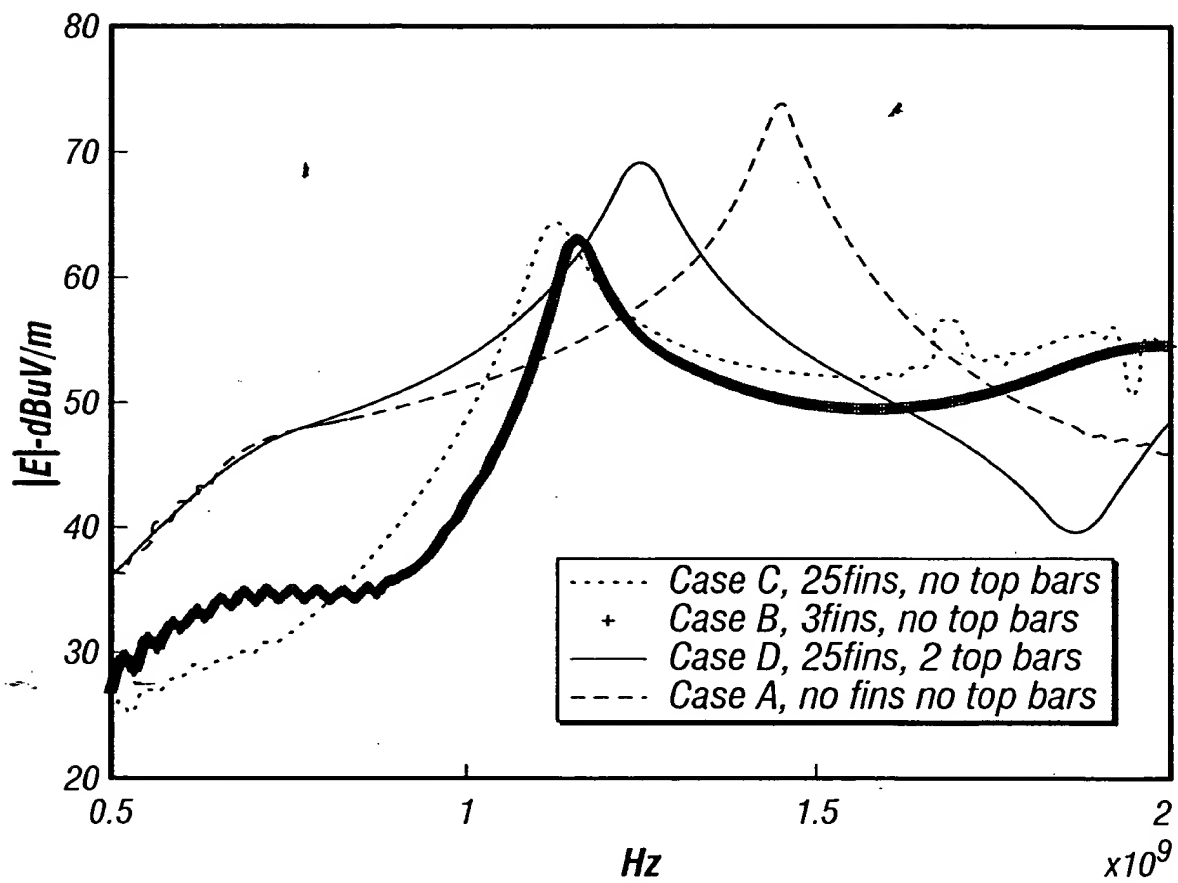


FIG. 3

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